

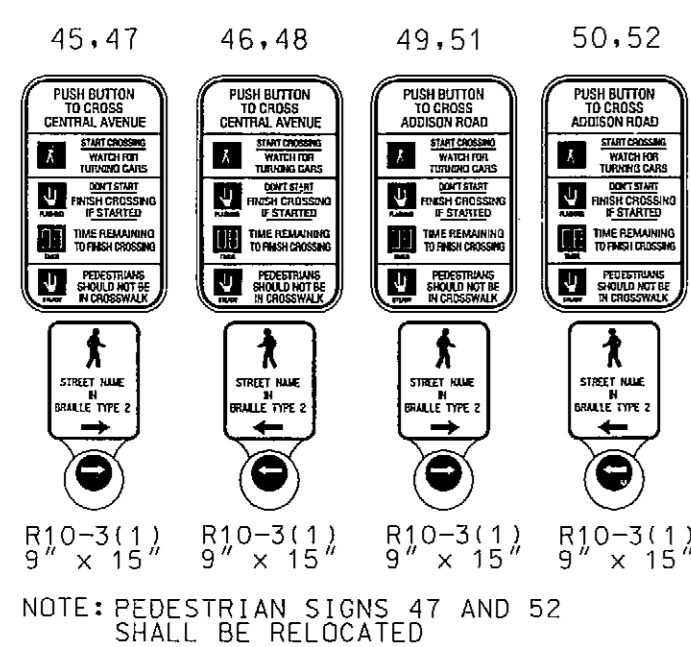
BORDER REV. DATE: June 11, 2004

DRILL HOLES

DRILL HOLES

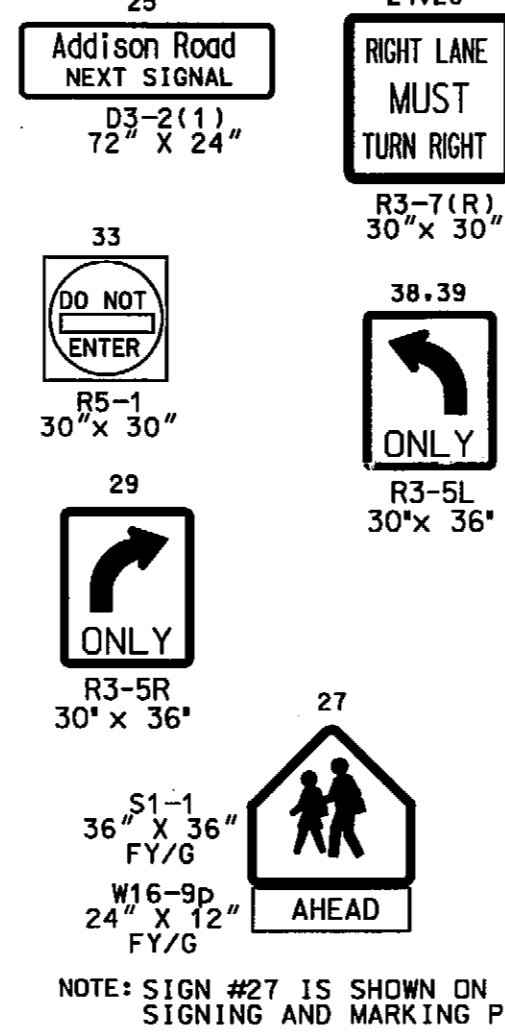
DRILL HOLES

EXISTING SIGNS



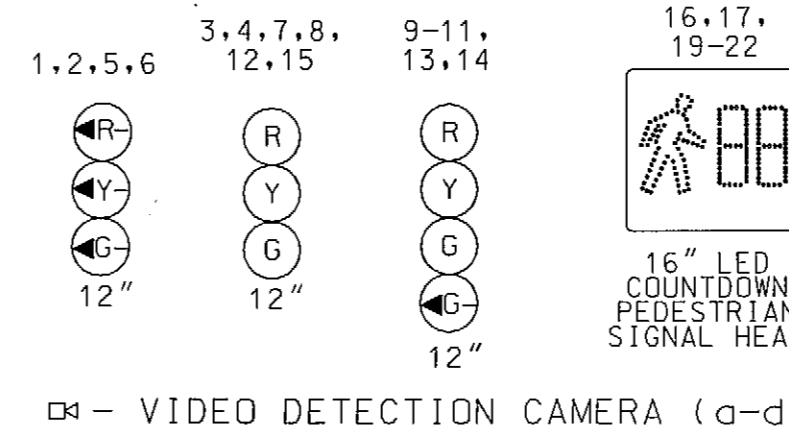
NOTE: PEDESTRIAN SIGNS 47 AND 52 SHALL BE RELOCATED

PROPOSED SIGNS



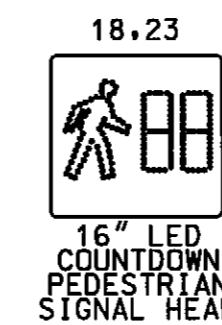
NOTE: SIGN #27 IS SHOWN ON THE SIGNING AND MARKING PLAN.

EXISTING LED SIGNALS

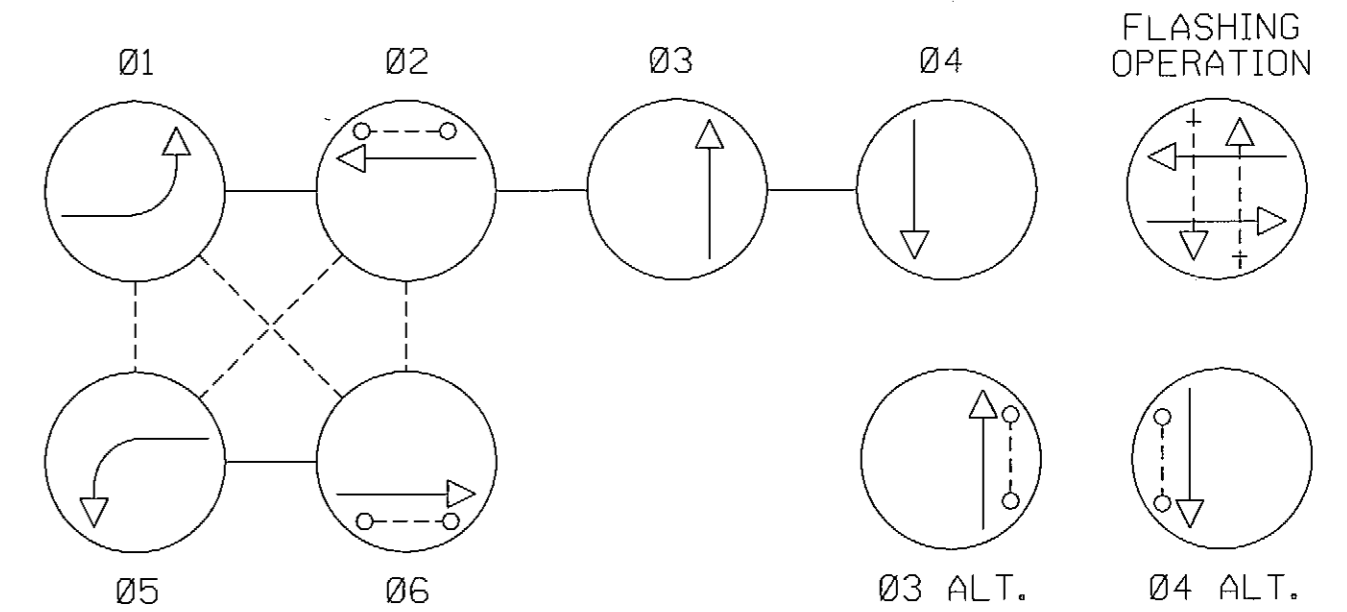


16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

PROPOSED SIGNALS



NEMA PHASING



PHASING NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

EXISTING OVERHEAD INTERCONNECT TO ADDISON PLAZA ENT

MD 214 (Central Avenue) W.B.L.

MD 214 (Central Avenue) E.B.L.

CONSTRUCTION DETAILS

- Install 10' breakaway pedestal pole, Countdown pedestrian signal, head and relocated audible pushbutton with relocated pedestrian education sign as shown. (Note: 1-3', 90° polyvinyl chloride (Schedule 80) bend.)
- Remove existing non-invasive probes and install new non-invasive micro-loop probes in existing conduit as shown.
- Install handhole.
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Proposed signs as shown on the Signing and Marking Plan. (Sheet 2 of 3).
- Install ground mounted sign on two 4" x 4" wood posts as shown.
- Install overhead sign onto existing span wire as shown.
- Remove existing handhole and attach proposed 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) to existing 3" conduit.
- Install 12" white, heat applied permanent preformed thermoplastic pavement marking (crosswalk).
- Install 24" white, heat applied permanent preformed thermoplastic pavement marking (stopline).
- Remove existing pedestal, all attached signal equipment and foundation 12 in. below grade. (Note: Pedestrian sign and audible pushbutton shall be relocated to new pedestal).
- Remove existing handhole. Cap and abandon existing conduit.
- Remove existing overhead sign.
- Remove existing pavement marking (crosswalk).
- Remove existing pavement marking (stopline).
- Use existing handhole.
- Use existing conduit.
- Use existing cabinet and controller.
- Remove existing ground mounted sign and post.
- Relocate existing sign and wood post.
- Install ground mounted sign on one 4" x 4" wood post as shown.
- Remove existing sign post.
- Use existing span wire.

CONSTRUCTION DETAILS (cont.)

- Pepco pole to be relocated by others.
- Existing underground electrical service to be maintained by PEPCO.

AERIAL UTILITY HEIGHTS

TELEPHONE	11'-9"
TELEPHONE	18'-10"
SPAN	24'-8"
SECONDARY	26'-8"
TETHER WIRE	23'-6"
SPAN	27'-10"
SECONDARY	31'-8"
SECONDARY	30'-6"
SECONDARY	32'-7"
TELEPHONE	22'-4"
TETHER	23'-1"
SPAN	30'-2"
TETHER WIRE	22'-8"
CABLE	24'-8"
SPAN	28'-9"

GENERAL NOTES:

- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs. See sheet 2 of 3 for additional proposed pavement markings.
- Poles are to be located so that they can be activated by a person in a wheelchair from a 60" x 60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
- If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.
- Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
- The 10' separation between pushbuttons is to be measured from face of pushbutton, not center to center of pole.
- Pushbutton arrows are to be parallel to the crossing for which they are intended.
- The contractor shall remove all unused wiring.
- The proposed ADA ramps shall be installed by others. The proposed detectable warning surfaces will match the existing.
- The contractor shall contact Ed Rodenhizer of the SHA Signal Shop at (410) 781-7650 to deliver APS equipment for testing.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 214 (CENTRAL AVE) AND
ADDISON ROAD

SEAT PLEASANT, MD

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 8/17/82 CONTRACT NO. BW963MB2

DESIGNED BY J. HOYAS COUNTY PRINCE GEORGE'S
DRAWN BY S. RENZI LOGMILE 16021400.87
CHECKED BY F.A.P. NO. TIMS NO. 1528
TOD NO.

TS NO. 25C DRAWING NO. 1 OF 3 SHEET NO. OF

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

REVISE CONDUIT & PED POLES S/W 12/16/00
QUAD DUE TO GEOMETRIC IMPROVEMENT
CONTRACT NO. BW963MB2 TIMS: K553
RRZ 10/15/00
T REDLINE REVISION NO. 1
PEDESTRIAN POLE RELOCATION
SEPTEMBER 15, 2008
B INSTALLED COUNTDOWN AND AUDIBLE
PEDESTRIAN SIGNALS
CONTRACT NO. P05695177 3/12/07
BRD NML

REVISION "C"
STREET TRAFFIC STUDIES, LTD.
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Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637
5870.DGN

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	---
ELECTRIC	---
TELEPHONE	---
GAS	---
SEWER	---
WATER	---
CABLE TV	---